

TESTING FORUM

Committee D-18 News

Call for Papers

A Call for Papers is issued for a symposium on Consolidation of Soils-Laboratory Testing to be held by ASTM in Jan. 1985 at Ft. Lauderdale, FL. This symposium is sponsored by ASTM Committee D-18 on Soil and Rock. The purpose of the symposium is to provide a forum for presentation of new information, development of ideas, and discussion on the following.

- Morning Session—Consolidation Testing Procedures Imposed by Requirements from Theory

The requirements posed by various consolidation theories ranging from classical small-strain Terzaghi consolidation to large-strain consolidation phenomenon require "appropriate" material input properties for the solution of equations. Traditionally, one-dimensional oedometer tests have supplied these input properties. However, considering sedimentation and self-weight consolidation of soils, oedometer tests may be inappropriate and require modifications. The emphasis in this topic area will deal with laboratory testing requirements and equipment needed and used to meet theory demands.

- Afternoon Session—Laboratory Experimentation Techniques for Settling-Consolidation

Alternate procedures to standard oedometer techniques may have been developed because of (1) new instrumentation developments, (2) measurement capability and testing technology, and (3) need for input "parameters" for numerical models and nontraditional consolidation theories. In addition, testing details regarding conventional and modified oedometer tests warrant reporting. The emphasis in this topic area would address laboratory testing equipment and techniques and subsequent effects in results.

Prospective authors are requested to submit a title, a 300 to 500 word abstract of the proposed paper, and the ASTM Paper submittal form by 1 Jan. 1984 to Professor R. N. Young, Geotechnical Research Centre, McGill University, 817 Sherbrooke Street West, Montreal, P.Q., Canada H3A 2K6. Paper submittal forms or information can also be obtained from cochairman F. C. Townsend, Department of Civil Engineering, University of Florida, Gainesville, FL 32611, and Kathy Greene, Manager, ASTM 1916 Race Street, Philadelphia, PA 19103 (215) 299-5414. Accepted abstracts may be printed and distributed at the symposium with the approval of the chairmen. It is anticipated that accepted papers through the proper review process will be published as an STP publication.

ASTM Award for Technical Paper

Reginald Hardy, Jr., professor and chairman of the Geomechanics Section of the Department of Mineral Engineering, Pennsylvania

State University, was named the 1983 recipient of the C. A. Hogentogler Award by ASTM.

Hardy, a resident of State College, Pennsylvania, received the award at a meeting hosted by ASTM Committee D-18 on Soil and Rock held 21 June, 1983 in Kansas City, MO. He was honored for his paper on "Applications of Acoustic Emission Techniques to Rock and Rock Structures." Established by ASTM in 1953, the C. A. Hogentogler Award is granted to the author or authors of a paper of outstanding merit on soil and rock for engineering purposes.

Hardy is also the author of some 50 papers dealing with mechanical properties of geologic material, the application of rock mechanics to the problems of underground storage of natural gas, basic and applied research in the field of acoustic emission/microseismic phenomena, development of laboratory apparatus for rock mechanics research, and the design of geomechanics field instrumentation. In 1968, Hardy received ASTM's Richard L. Templin Award for an outstanding paper describing new and useful mechanical apparatus and testing techniques. In 1975 he organized the First Conference on Acoustic Emission/Microseismic Activity in Geologic Structures and Materials.

In addition to his work with ASTM Committee D-18 on Soil and Rock and with ASTM Committee C-18 on Natural Building Stone, Hardy is a member of the Society for Experimental Stress Analysis; the International Society for Rock Mechanics; the American Society for Nondestructive Testing; the Canadian Association of Physicists, the American Geophysical Union; and the American Institute of Mining, Metallurgical and Petroleum Engineers.

Hardy received a B.S. degree in physics in 1953 from McGill University, an M.S. degree in physics in 1962 from Ottawa University, and a Ph.D. degree in engineering mechanics in 1965 from Virginia Polytechnic Institute. Before coming to Penn State in 1966 as an associate professor in the Department of Mining Engineering, Hardy was with the Fuels and Mining Practice Division of the Canadian Department of Energy, Mines, and Resources. He was a scientific officer and leader in the Rock Mechanics Group from 1960 to 1966. Hardy has held his current position at Penn State since 1976.

Frank W. Reinhart Award

A. Ivan Johnson, a consulting engineer from Denver, CO, has been named the 1983 recipient of the Frank W. Reinhart Award by ASTM.

Johnson, a resident of Arvada, CO, was honored 21 June 1983 at ceremonies hosted by ASTM Committee D-18 on Soil and Rock in Kansas City, MO. He was cited for his leadership of ASTM Subcommittee D18.93 on Nomenclature for Soil and Rock Mechanics and his work on the development and maintenance of ASTM Definitions of Terms Relating to Soil and Rock Mechanics (D 653).

The Frank W. Reinhart Award is presented by the Society Committee on Terminology to a technical committee, subcommittee, or ASTM member who has made an outstanding and unusual contribution to ASTM in the area of terminology standardization.

TESTING FORUM

Subcommittee G01.10 on Corrosion

Participants are needed to aid in the updating and revision of two soil standards according to Victor Chaker, chairman of ASTM Subcommittee G01.10 on Corrosion in Soils.

The subcommittee, under the auspices of ASTM Committee G-1 on Corrosion of Metals, is working to revise ASTM Standard Test for pH of Soil for Use in Corrosion Testing (G 51), published in 1977, and ASTM Standard Method for Field Measurement of Soil Resistivity Using the Wenner Four-Electrode Method (G 57), published in 1978. According to Chaker, these standards need to be revised to include the latest state-of-the-art information, including the incorporation of the use of advanced instrumentation that was not available when the standards were first written.

For additional information on the work of Subcommittee G01.10 and the revisions to ASTM G 51 and G 57, contact Victor Chaker, Gilbert Associates, Inc., P.O. Box 1498, Reading, PA 19603, (215) 775-2600, ext. 3111; or Janet Sorensen, ASTM Standards Development Division, 1916 Race St., Philadelphia, PA 19103, (215) 299-5517.

Industrial Fabrics Institute

Complete Geotextile Transcripts Now Available

Special invited papers, closing reports, and session discussions from the Second International Conference on Geotextiles held 1-6 Aug. 1982, are now available in volume form through the Industrial Fabrics Association International (IFAI), the conference sponsor.

The reports and papers form the final volume of a four-volume set of proceedings resulting from the conference, according to the conference's Secretary General, Steve Warner.

Over 150 papers dealing with the application of geotextiles in areas such as drainage, erosion control, slopes and embankments, paved roads, and railroads are included in the first three volumes.

The proceedings are now the largest single source for current geotextile information, according to Warner. There are approximately 1200 pages in the four-volume set. Volumes sell for \$40 each or \$95 for the complete set. Payment must accompany orders. In the United States \$10 should be added to orders to cover shipping and handling. Other countries inquire as to postage.

For more information contact IFAI, 345 Cedar Building, Suite 450, St. Paul, MN 55101, 612/222-2508.

IFAI is a 1500 member trade association comprised of fiber producers, weavers, coaters, laminators, finishers, nonwovens producers, and end product manufacturers, as well as companies who supply products and services to them.

Call for Papers

Contributions to *Marine Geotechnolgy* are being sought from the international scientific and engineering community. This journal is devoted to the theory and practice of marine geotechnolgy, studying all scientific and engineering aspects of the sediments and rocks on the ocean floor. It includes those biological, chemical, mechanical, and physical properties affecting the electrolyte-gas-solid sedimentary system of the seafloor and the response of this system to applied static and dynamic loads. A balance between the theory of seafloor science and the practice of seafloor engineering with respect to off-shore construction is sought. Case studies are welcomed.

Marine Geotechnolgy is published in a 6 by 9 in. format. There are no page charges. Lead authors are supplied with 25 free off-prints.

Manuscripts should be sent to Ronald Chaney, Associate Editor, Department of Environmental Resources and Engineering, Humboldt State University, Arcata, CA 95521.

ASTM Committee D-18 on Soil and Rock

Scope

The promotion of knowledge; stimulation of research; the development of specifications and methods for sampling and testing; and the development of nomenclature, definitions, and practices relating to the properties and behavior of soil, rock, and the fluids contained therein. Excluded are the uses of rock for building stone and for constituent materials in portland cement and bituminous paving and structures coming under the jurisdiction of other committees. Included are the properties and behavior of: (1) soil-like materials such as peats and related organic materials, (2) geotextiles, and (3) fluids occupying the pore spaces, fissures, and other voids in soil and rock insofar as such fluids may influence the properties, behavior, and uses of the soil and rock materials.

Officers

Chairman: Adrian Pelzner, U.S. Agricultural Forest Service, Engineering Div., P.O. Box 2417, Washington, DC 20013.

First Vice-Chairman: Robert C. Deen, University of Kentucky, Kentucky Transportation Research Program, Transportation Research Bldg., Lexington, KY 40506.

Second Vice-Chairman: R. E. Gray, GAI Consultants, 570 Beatty Rd., Monroeville, PA 15146.

Third Vice-Chairman: W. G. Shockley, 326 Lake Hill Dr., Vicksburg, MS 39180.

Secretary: D. A. Tiedemann, U.S. Bureau of Reclamation, DFC, P.O. Box 25007, D1543, Denver, CO 80225.

Membership Secretary: R. J. Stephenson, U.S. Army Corps of Engineers Div. Lab., P.O. Box 51, Marietta, GA 30060.

Subcommittees and Their Chairmen

TECHNICAL

D18.01 Surface and Subsurface Reconnaissance

C. P. Fisher, Jr.

D18.02 Sampling and Related Field Testing for Soil Investigations

H. E. Davis

D18.03 Texture, Plasticity, and Density Characteristics of Soils

R. S. Ladd

D18.04 Hydrologic Properties of Soil and Rock

C. O. Riggs

D18.05 Structural Properties of Soils

R. T. Donaghe

D18.06 Physico-Chemical Properties of Soils and Rocks

G. R. Olhoeft

D18.07 Identification and Classification of Soils

C. W. Britzius

D18.08 Special and Construction Control Tests

J. R. Talbot

D18.09 Dynamic Properties of Soils

M. L. Silver

D18.10 Bearing Tests of Soils in Place

G. Y. Balardi

D18.11 Deep Foundations

F. M. Fuller

D18.12 Rock Mechanics

H. J. Pincus

D18.13 Marine Geotechnics

R. C. Chaney

D18.14 Geotechnics of Waste Management

T. F. Zimmie

D18.15 Stabilization by Additives

M. C. Anday

D18.16 Chemical Grouting

R. H. Karol

D18.17 Rock for Erosion Control

K. L. Saucier

D18.18 Peats and Organic Soils

P. M. Jarrett

D18.19 Geotextiles and Their Applications

B. Christopher

D18.20 Impermeable Barriers

A. I. Johnson

ADMINISTRATIVE

D18.91 Editorial

R. C. Deen

D18.92 Papers

E. T. Selig

D18.93 Nomenclature for Soil and Rock Mechanics

A. I. Johnson

D18.94 Education and Training

N. O. Schmidt

D18.95 Information Retrieval and Data Automation

Carl D. Tockstein

D18.96 Research Steering and Standards Development

W. G. Shockley

D18.97 Special Awards

R. G. Packard

D18.98 Hogentogler Award

R. E. Gray

D18.99 Quality Control

L. P. Kaufman